AMENDMENTS TO THE SPECIFICATION:

Please amend the heading beginning at page 1, line 11, as follows:

BACKGROUND ~~ART~~

Please amend the heading beginning at page 2, line 21, as follows:

~~DISCLOSURE OF THE INVENTION~~SUMMARY

Please amend the paragraph beginning at page 2, line 22, as follows:

As has become evident from the initial description, there is a need for ~~a method by means of which~~ a node in an ad-hoc network in a WLAN-system ~~can~~ to be able to establish and maintain reliable communication paths via other nodes in the ad-hoc system.

Please amend the paragraphs beginning at page 2, line 27 and ending at page 3, line 14,as follows:

~~This need is addressed by the present invention in that it provides a method for use by a~~A first node in an ad-hoc Wireless Local Area Network (WLAN)~~,~~ which first node maintains a table of other nodes within the network which can be used for forwarding messages within the network. ~~The method comprises the step of letting the~~The first node ~~receive~~receives a first signal from a second node~~,~~ and ~~additionally comprises the step of letting the first node analyse~~analyze the signal received from the second signal. If the second node is already present in the table maintained by the first node, the signal strength is compared to a first predetermined comparison level, and if the second node is not present in the table, its signal strength is compared to a second predetermined comparison level. If the signal strength from the second node exceeds the

relevant comparison level, the first node decides that the second node may be used in the table. Thus, ~~by means of the method according to the present invention, an~~ ad-hoc ~~system~~ communications in an WLAN system can be established and maintained in a more reliable way than has been possible with previously known technology.

Please delete the paragraph beginning at page 3, line 17, which starts with: The invention will be …

Please amend the paragraph beginning at page 3, line 20, as follows:

Fig 2 shows a flowchart used by a node in an ad-hoc WLAN-system ~~according to the invention~~.

Please amend the heading beginning at page 3, line 23, as follows:

~~EMBODIMENTS~~DETAILED DESCRIPTION

Please amend the paragraph beginning at page 3, line 24, as follows:

Fig 1 schematically shows an ad-hoc network in a WLAN-system. The WLAN-system can, for example, be established within the framework of one of the various so called 802.11 systems, or can alternatively be established using another WLAN technology ~~for such systems~~. As can be seen from the drawing, the system ~~used to illustrate the invention~~ comprises three nodes, referred to as A, B and C, but the exact number of node can of course vary~~, and is not of decisive importance for the invention~~.

Please amend the paragraph beginning at page 6, line 2, as follows:

The problems described above, i.e. problems caused by a difference in range between different kinds of messages are addressed ~~by the present invention, which~~as will be described with reference to the example; non-limiting method outlined in fig 2.

Please delete the paragraph beginning at page 6, line 6, which starts with:

Fig. 2 is a schematic block...

Please amend the paragraph beginning at page 6, line 9, as follows:

Node A_1 which receives a message from another node, first attempts (block 10) to identify the message as one originating from a node which is accepted by node A, for example the AODV protocol. If the message which is received is from a "foreign" protocol, the message is simply discarded (block 80).

Please amend the paragraph beginning at page 7, line 2 as follows:

Thus, ~~by means of the method according to the invention,~~ the second threshold used for unknown nodes helps to define ~~required~~a predetermined quality of existing links, and effectively differentiates between "good" and "bad" neighbours, i.e. between good and bad quality links. If the link quality of the link to a potential neighbour (either previously unknown to the node or a multi-hop connection to this node already exists) is above the defined threshold, that node becomes a new neighbour.

Please amend the paragraph beginning at page 7, line 18, as follows:

For the threshold values, a level of 10 dB for the first threshold value, and a level of 15 dB for the second threshold value are values which have given good results. Naturally, these values can be varied freely ~~within the scope of the invention~~, and are only mentioned as non-limiting examples of values which have proven useful.